

FIGURE 1A



### FIGURE 1C

Comparison of human (HUM) and mouse (MUS) staufen sequences

		→ RBD1
HUM	MKLGKKPMYKPVDPYSRMQSTYNYNMRGGAYPPRYFYPFPVPPLLYQVELSVGQQFNGK	60
MUS	MYKPVDPHSRMQSTYSYGMRGAYPPRYFYPFPVPPLLYQVELSVGQQFNGK	
	RBD1 ← → RBD2	
HUM	GKTRQAAKHDAAKALRILQNEPLPERLEVNGRESEEEENLNKSEISQVFEIALKRNLPVN	120
MUS	GKMRPPVKHDAPARALRTLQSEPLPERLEVNGREAAEENLNKSEISQVFEIALKRNLPVN	
	RBD2 ←	
HUM	FEVARESGPPHMKNFVTKSVGEFVGEGEGKSKKISKNAIAVLEELKKLPPPLPAVERV	180
MUS	FEVARESGPPHMKNFVTRSVGEFVGEGEGKSKKISKNAARAVLEQLRRLPPPLPAVERV	
	→ RBD3	
HUM	KPRIKKKTKPIVKPQTSPEYGQGINPISRLAQIQQAKKEKEPEYTLTERGLPREFV	240
MUS	KPRIKKKSQPTCK--TAPDYQGQGMNPISRLAQIQQAKKEKEPEYMLTERGLPREFV	
	RBD3 ← → TBD	
HUM	QVKVGNETAEGTGTNKKVAKRNAAENMLEILGFKVPQRQPTKALKSEEKTPIKKPGDGR	300
MUS	QVKVGHHTAEGVGTNKKVAKRNAAENMLEILGFKVPQAQPAKALKSEEKTPVKKPGDGR	
HUM	KVTFDPGSDENGTSNKEDEFRMPYLSHQQLPAGILPMVPEVAQAVGVSGHHTKDFTR	360
MUS	KVTFEPSPGDENGTSNKEDEFRMPYLSHQQLPAGILPMVPEVAQAVGVSGHHTKDFTR	
	TBD ←	
HUM	AAPNPAKATVTAMIARELLYGGTSPATAETILKNNISSGHVPHGPLTRPSEQLDYLSRVQG	420
MUS	AAPNPAKATVTAMIARELLYGGTSPATAETILKNSISSGHVPHGPRTRPSEQLYYLSRAQG	
	→ RBD4 RBD4 ←	
HUM	FQVEYKDFPKNNKNEFVSLINCSSQPLISHGIGKDVESCHDMAALNILKLLSELDQQST	480
MUS	FQVEYKDFPKNNKNECVSLINCSSQPLVSHGIGKDVESCHDMAALNILKLLSELDQQST	
HUM	EMPRTGNGPMSVCGRC*	496
MUS	EMPRTGNGPVSACGTC*	

FIGURE 1D



698

>RBD4

RBD4C

RBD44

81

HUM GDENGTSNKEDDEFRMP-----YLSHQQLPAGILPMPVEVAQAVGVSQGHNTDFTRAAPNP-AKATTMIALRELYGGTSP---TATTILQNN-----ISSCHYHGPPLTRPS---  
CEL avtsepdteasq1speqtdisekrelspdtetrrvtfnasqvhacpppgdqdynsivqslkkdaivegkrrlkrekennraltaeqv1lqtrntt1qsesqssah---  
C

四三四

BBBDS5 > BBBDS5

DRO *senstentqsaagvhankledlyskkldfenvsfadypkgnnoeffitvtlsthppqichgvkgksssesqndaaasnalklslklgnrnak\**  
 HUM *-----EGOLDYLSRKVGFQVEYKOFFPKNNKEFVSLLINCSOPPLISHGIGROE SCHIDMAALNITKULLSELDQOSTENPPRTGNGPMSTVGRCE\**  
 CEL *-----bbhlcqladcrfxsfolqtsfpvqvidhtivqgleapvhgtgtcteedenaaldaiaakkelnskt\**  
 G G SKK AK AA AV V

四

230

323  
GFKVPOQOPTPALKSEETKTIKKPGDKRKYTFDPSGDENGTSNKEDEFRLPYLSHQQLPAGILPMVPEVAQAVGVSOGHNTDDETRAAPIPARATVTA  
3247  
KEKTKTKPDKTKTSSSPVVKSDGKSKPLAASPKPAGLKSSDKVSRVAPKKESEVKAAKPTTIPVKAARGEEKDKEIQAAANASJSKAKTATA  
2247  
2337

NARROWING

300

MAP 18

2247

FIGURE 1. (cont'd)

c)

FIGURE 1' (cont'd)

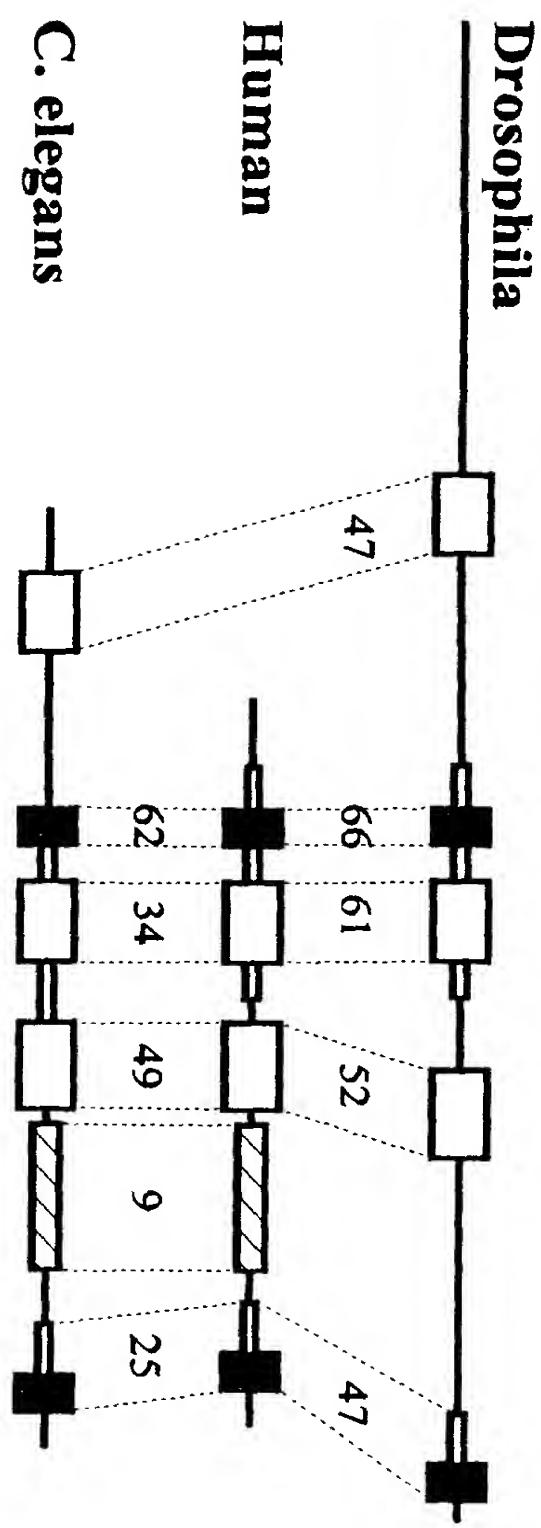
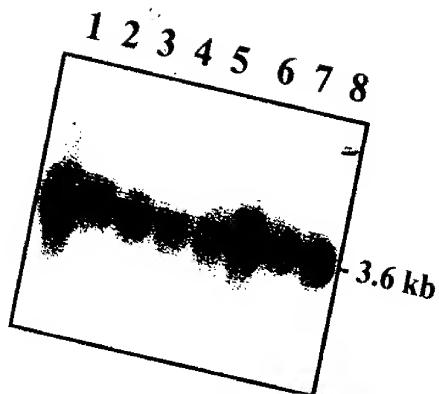
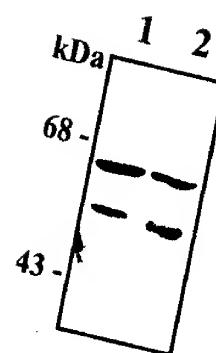


FIGURE 2

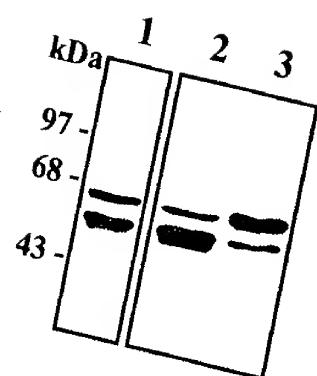
A



B



C



D

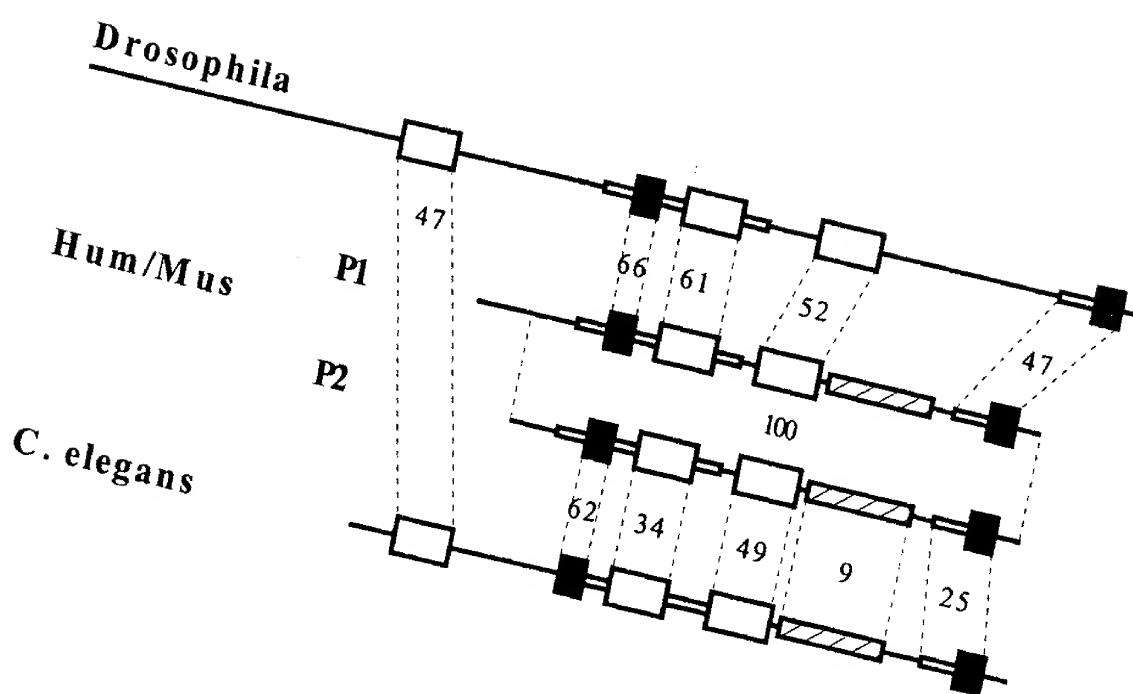
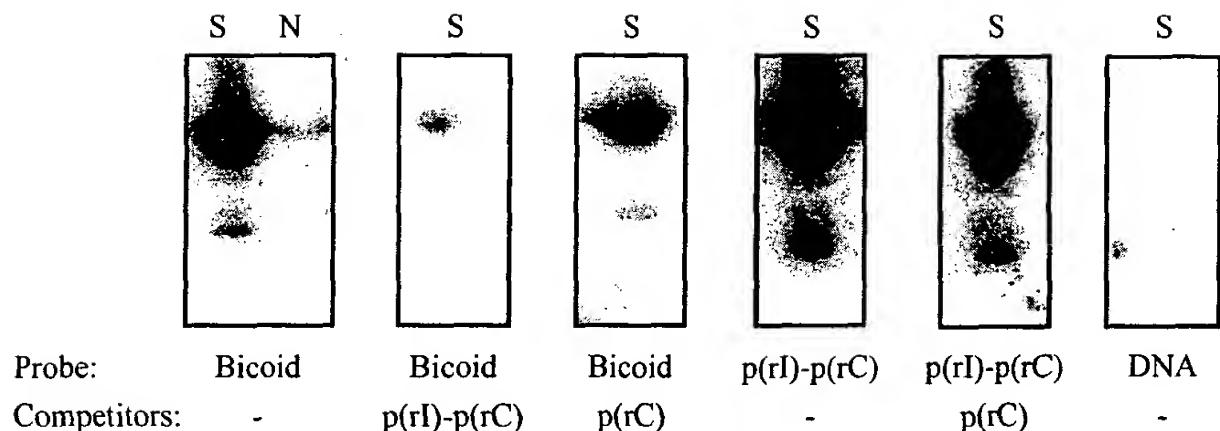


FIGURE 3

A



B

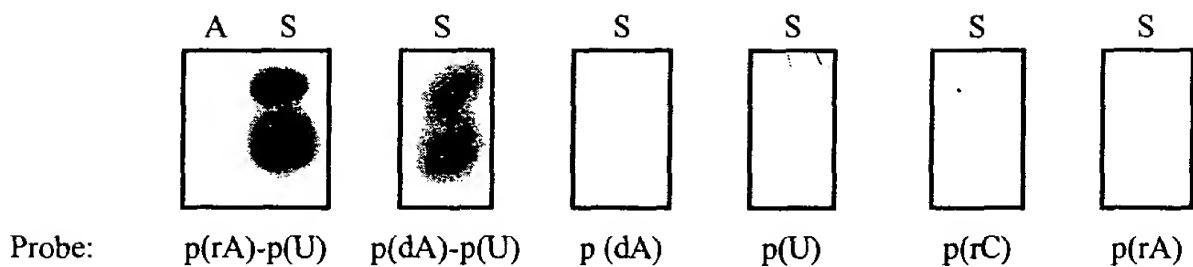


FIGURE 4

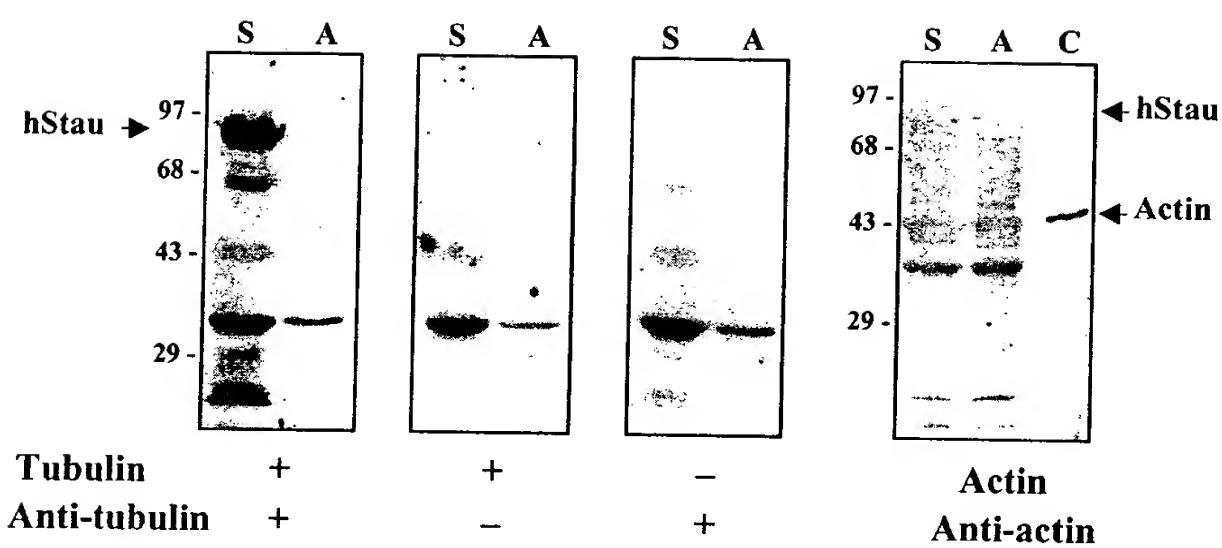
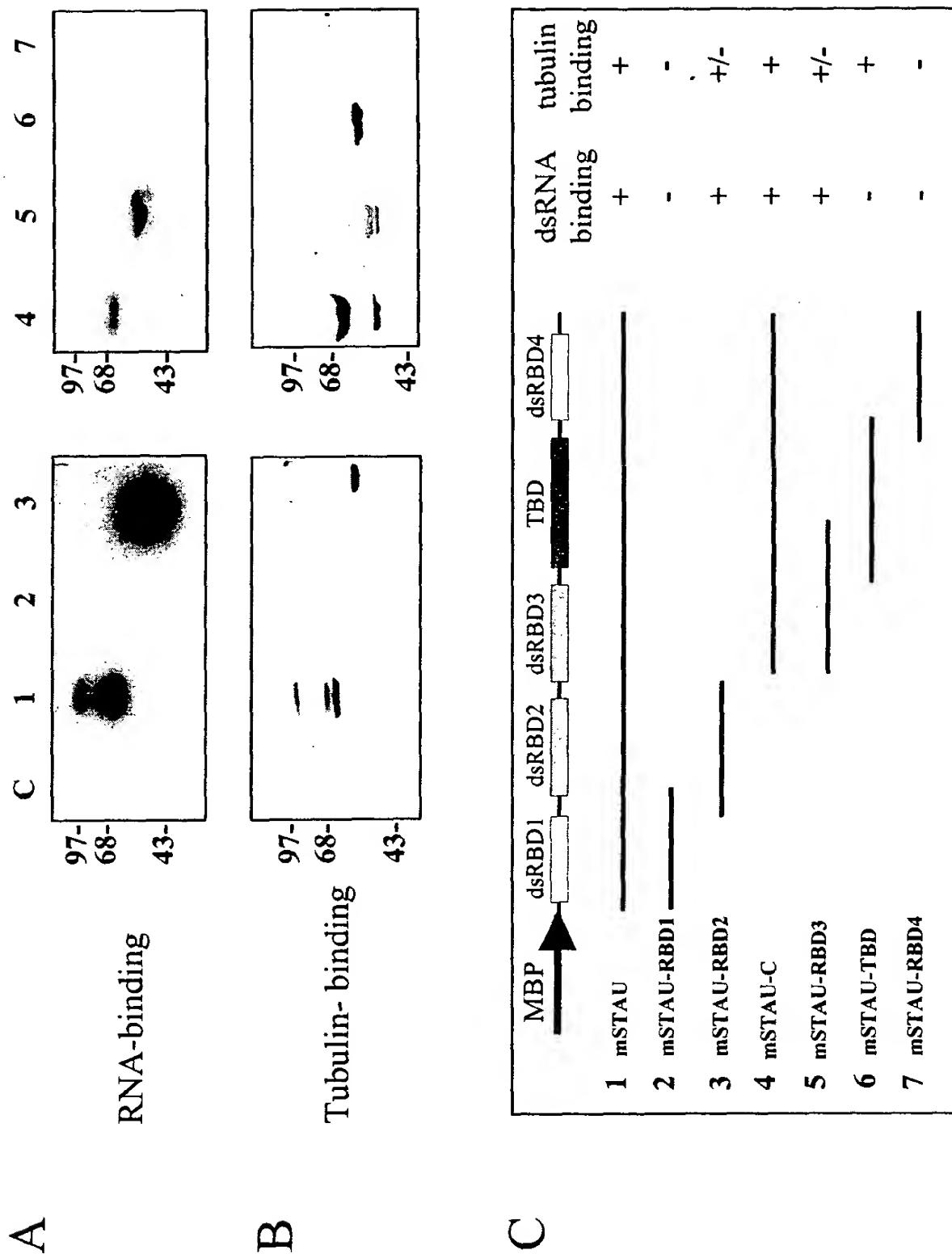


FIGURE 5



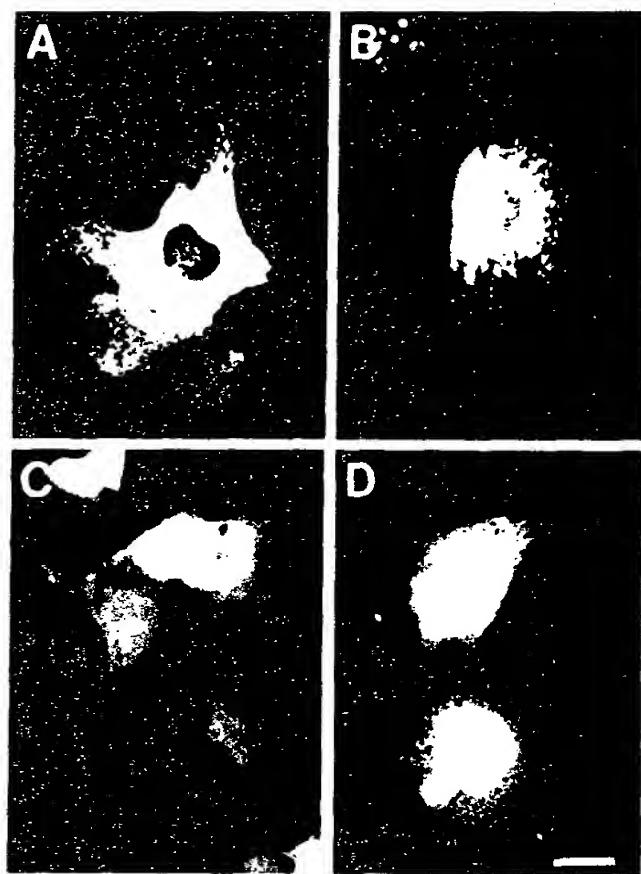
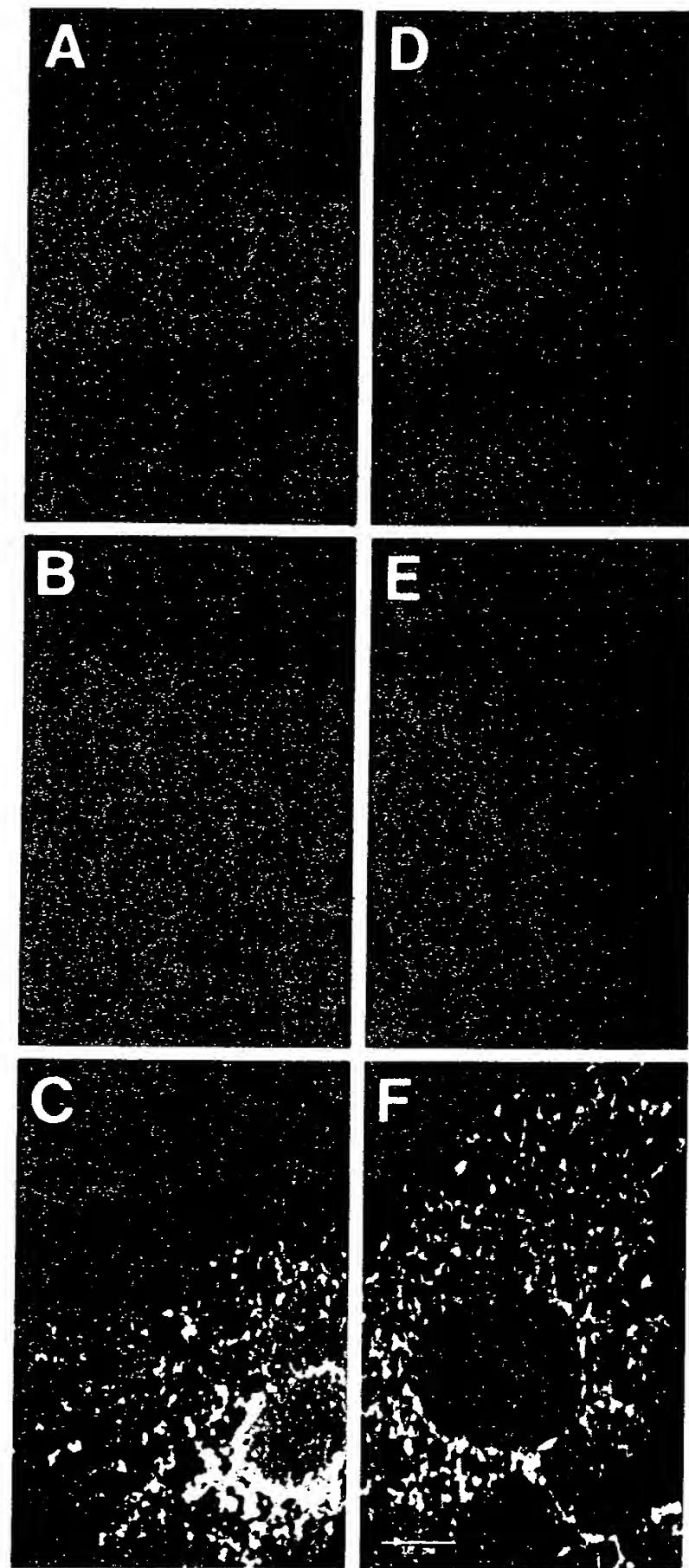
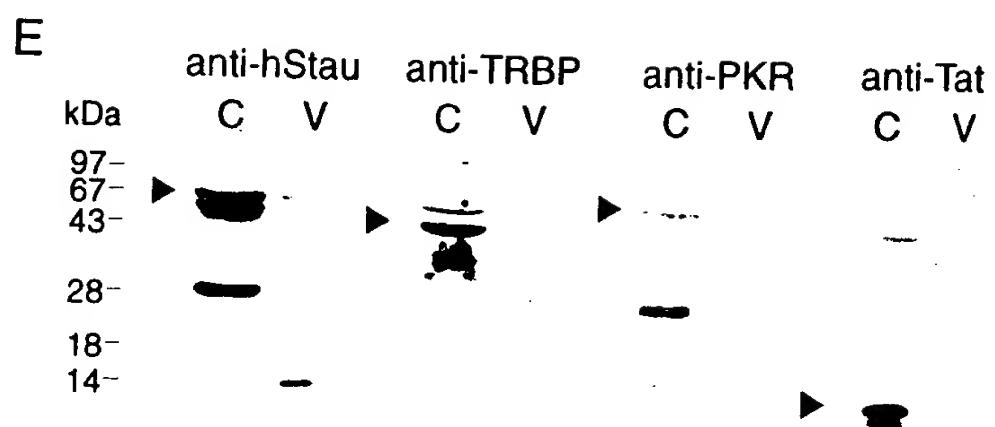
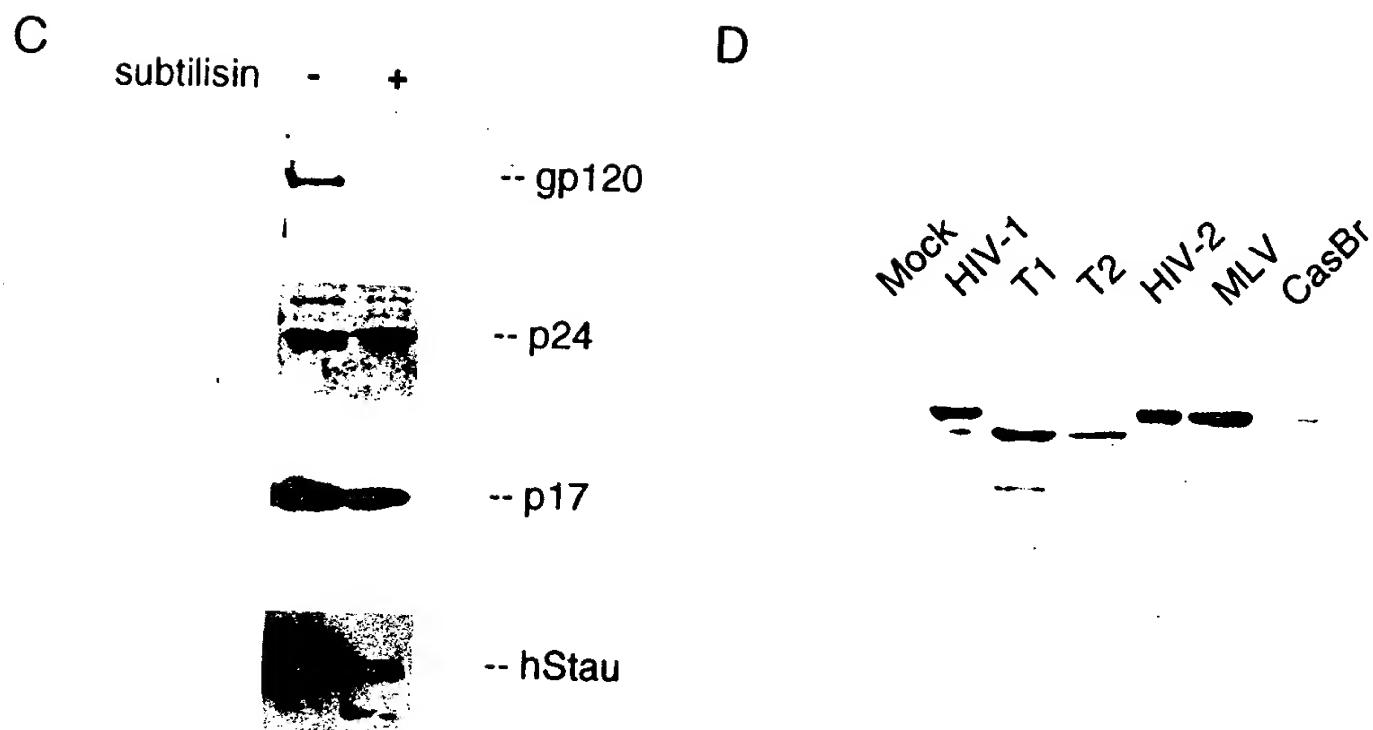
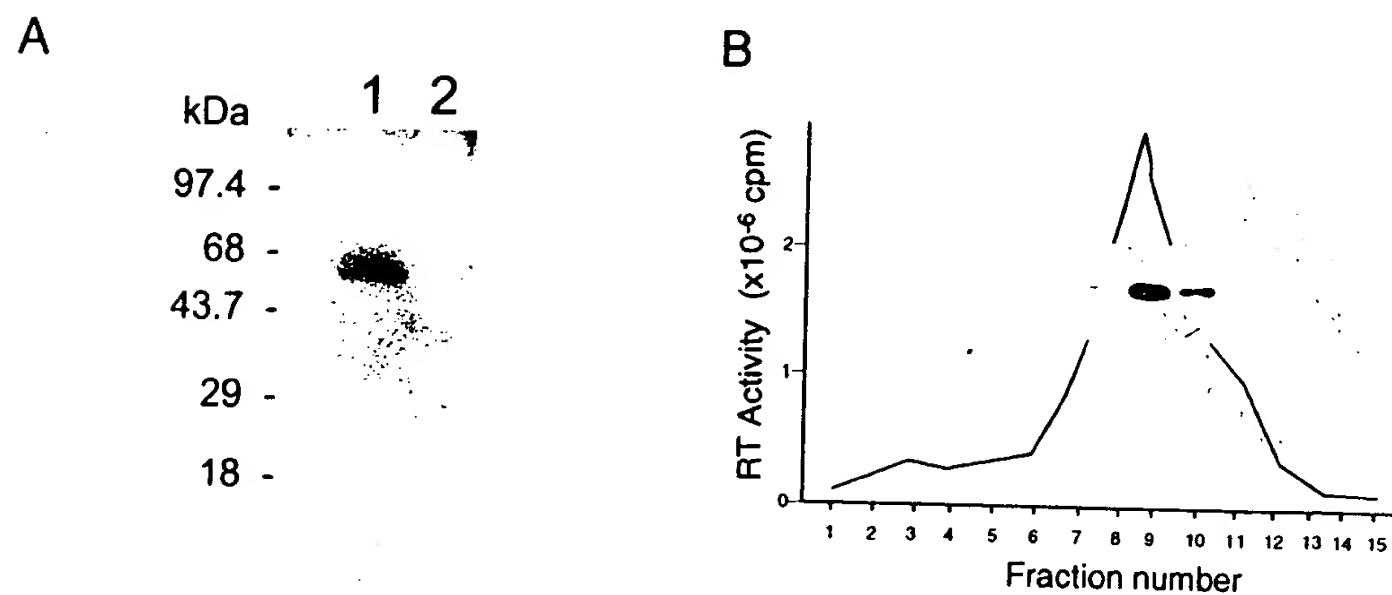


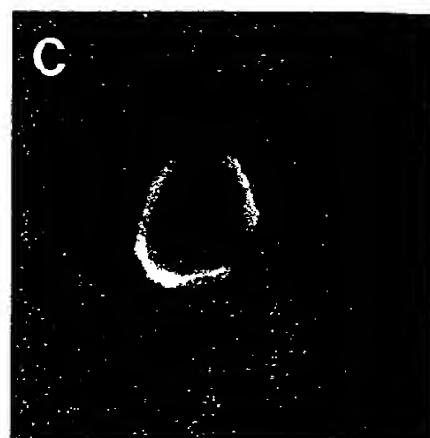
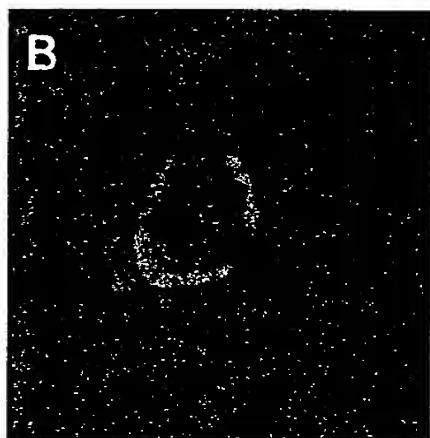
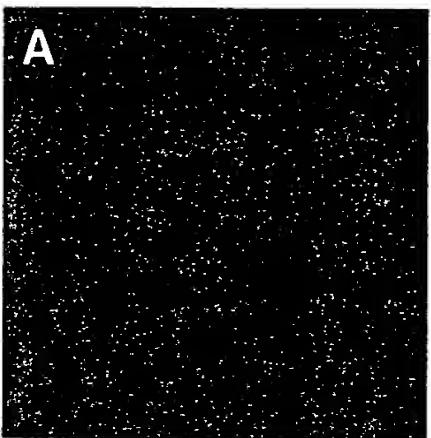
FIGURE 6

FIGURE 7



### FIGURE 8





**FIGURE 9**

FIGURE 10

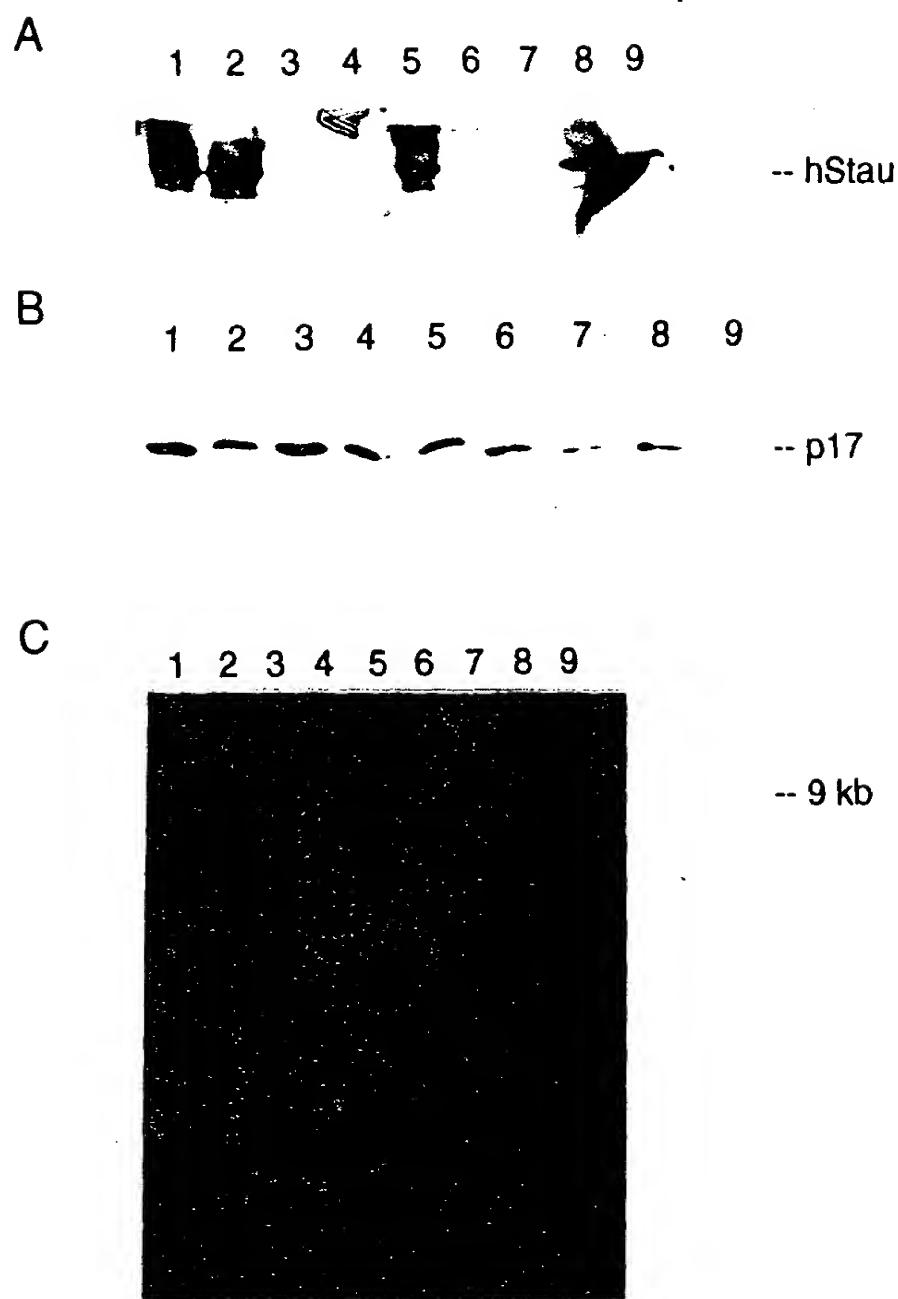


FIGURE 11

